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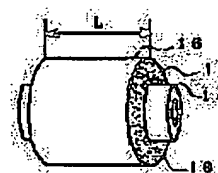
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(54) PAPER SEPARATING DEVICE AND SEPARATING ROLLER THEREOF, AND MANUFACTURE OF SEPARATING ROLLER

(57)Abstract:

PURPOSE: To provide a separating roller and a paper separating device economically excellent requiring little maintenance by forming a wear resistant layer on the outer peripheral surface of a separating roller for separating plural sheets of paper sheet by sheet while bringing the outer peripheral surface of the separating roller into contact with the other surface of the lowest stage sheet moving on a paper feed belt.

CONSTITUTION: A separating roller 13 fitted to the outer periphery of a cylindrical collar 14 is formed of foam rubber of soft material, and a thin skin layer 16 formed at the foam rubber molding time is left as it is as the outer peripheral surface and made into the contact face with paper. Wear resistance is improved by thus forming the outer peripheral surface of the separating roller 13, wearing in contact with the paper surface at the paper separating time, of the skin layer 16. In addition, the softness due to a foam rubber layer 19 inside is not affected adversely by this thin skin layer 16 (that is, sufficient surface crushing can be secured), so that desired paper separating performance can be secured while securing the long frictional life of the separating roller 13.



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